# Starting shortly **∑**



# **Quality Assurance**

ARCHIVE-IT



#### **TODAY'S PLAN**





Image courtesy of Volodymyr Hryshchenko on Unsplash

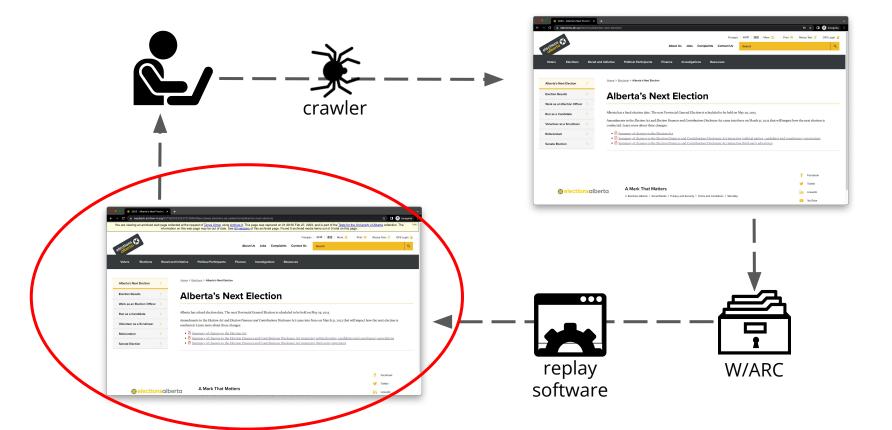
# **Quality Assurance**

- Review Crawl Reports
- Browse Wayback pages
- Patch Crawls
- Helper Seeds
- Questions



# **Web Archiving**







# Why Quality Assurance (QA)?



The web can sometimes be challenging to archive. Quality assurance is important for:

- checking for completeness and quality of archived sites
- checking that the archived sites replay according to expectations
- improving the quality of your capture

If possible, don't wait too long to review and conduct QA!

Live websites are constantly changing and being updated. If there is something missing from the crawl, you might not be able to fix it before the content changes or is removed.



# **Glossary**



**Crawl Report:** A report generated with detailed information about what's inside your crawl.

**Host:** Where web content is stored, designated by its Internet host name. E.g. https://archive-it.org/ (host bolded)

**Wayback QA Tool:** An automated quality assurance tool for improving the quality of your captures.

**Patch Crawl:** A crawl to capture and patch in documents that were not captured in your original crawl.

**Robots.txt:** Files that a site owner can add to their site to keep crawlers from accessing all or parts of it.



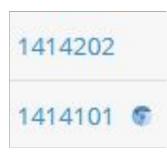
# Where is my Crawl Report?



You can access your crawl reports at any time through:

- The Crawls link in the top navigation bar
- The Crawls tab within any given collection

By default, crawl reports are listed by **Crawl ID**, which is a unique identifier displayed to the left of each crawl.





# What's inside a Crawl Report?



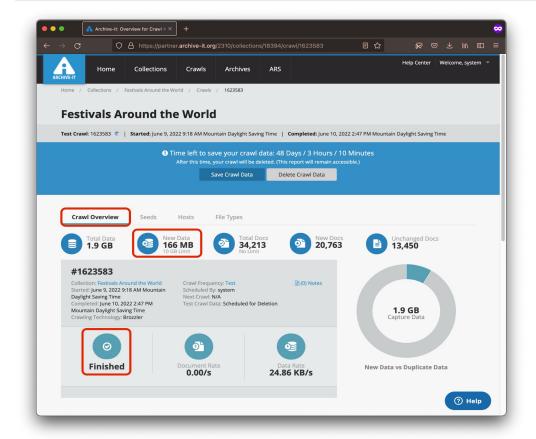
- Crawl Overview
- Seeds Report
- ❖ Hosts Report
- File Types Report





## **REVIEW: Crawl Report Overview**





Many details about the crawl, including

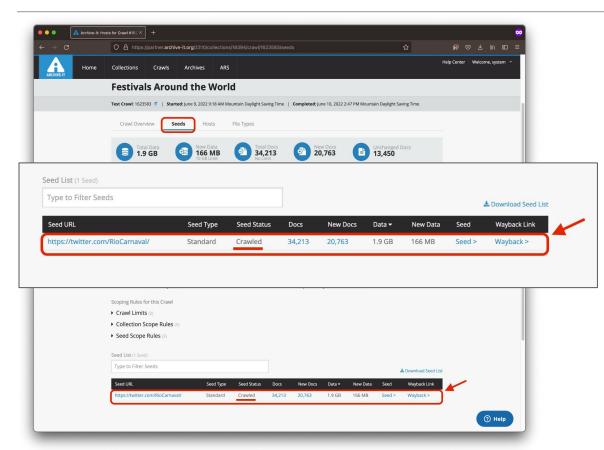
- New Data
- Crawl Status

Test Crawls have options to *Save* or *Delete Crawl Data* in the blue area



#### **REVIEW: Seeds Report**





Seeds Report list the *Seed URLs* included in the Crawl.

For each seed, it will also list

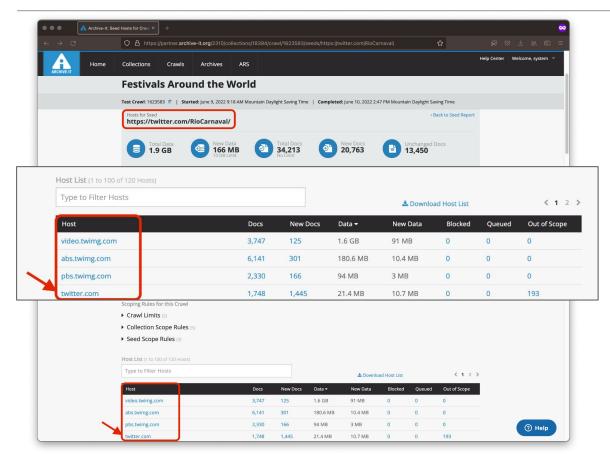
- Seed Type
- Seed Status
- Docs & Data collected
- Seed link to Seed
   Management Interface
- *Wayback* link

Clicking directly on a *Seed URL* itself will open the Seed's Hosts Report



#### **REVIEW: Seeds' Hosts Report**





Lists each host from which content was discovered for the Seed URL on the live web

Also lists for each host:

- Docs collected
- Data totals
- Blocked documents
- Queued documents
- Out of Scope documents

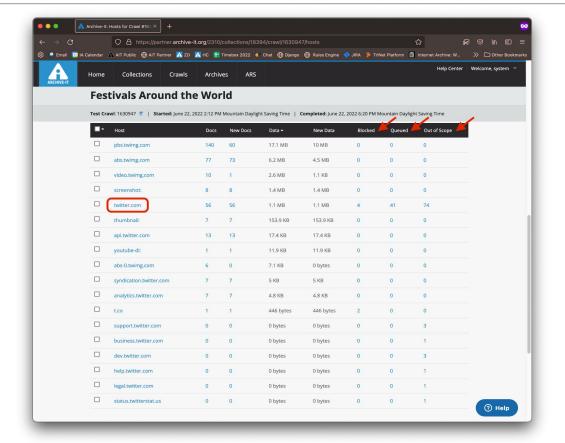
Click directly on the *Hosts*' links to see lists of documents from a host

Click directly on numbers to see lists of documents



#### **REVIEW: Hosts Report**





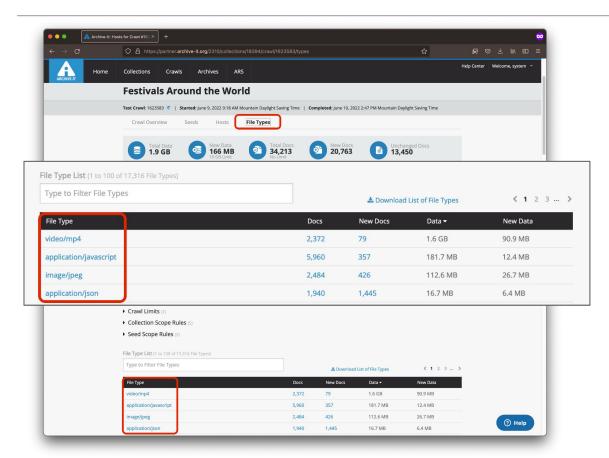
Hosts Reports list all hosts through which content was discovered during the crawl

- Docs and New Docs
- Data and New Data
- Blocked Documents
- Queued Documents
- Out of Scope
   Documents



#### **REVIEW: File Types Report**





The File Types report lists documents collected by the kind of files they are.

The File Type itself lists the kind of content and then the file extensions of documents, e.g. **video/mp4** 



#### **Review demo**



# I will show you how to:

- Find your crawl report
- Read your crawl report





# **Browse Wayback pages**



Check replay of your archived pages in Wayback.

Compare their look and feel with the live web's pages.

Ask yourself:

- Does it meet expectations?
- Will it serve future users' needs?

Try some QA strategies if not!



# **Browse Wayback pages**



Look for the same features as the Live Web's counterpart website:

Styling features headers/footers grids/boxes

.CSS

Interactive features dropdown menus carousels/sliders .js (javascript)

Embedded elements images videos audio files .jpg, .jpeg, .png .mp4, .mp2t, .mpeg (video) .mp3, .mpeg (audio)

Working links

.html, .js



# **Browse Wayback pages**

#### Look for the same features



#### as the Live Web's counterpart





#### **PATCH CRAWLS**



A patch crawl is a crawl to capture and patch in documents that were not captured in your original crawl.

Two ways to run patch crawls:

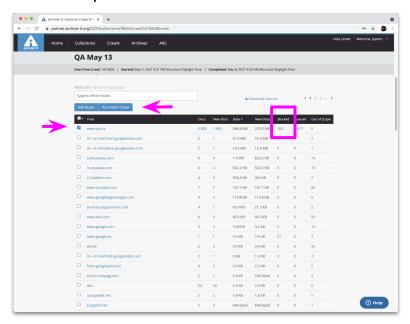
- Via the Hosts Report
- Via the Wayback QA tool



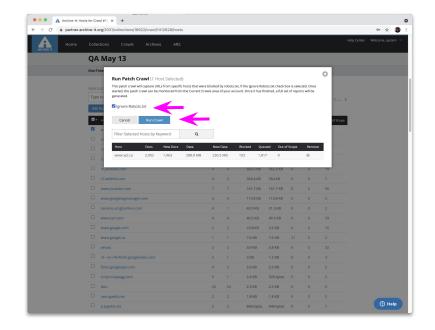
# PATCH CRAWL via the Hosts Report



#### Hosts Report's Blocked Documents



#### Start a Patch Crawl for Blocked Documents





### Wayback QA



#### The Wayback QA tool



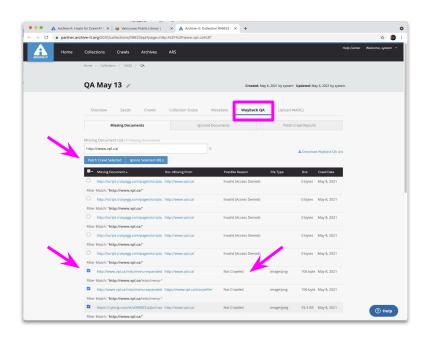
- Scans for missing documents on the Wayback page
- Allows patch crawls for missing documents
- Used for Production Captures (Not Test Captures)



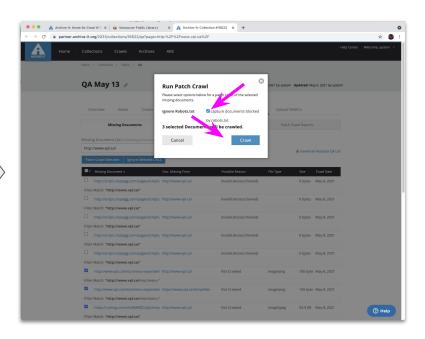
# **Patch Crawl with Wayback QA**



### In the partner account application





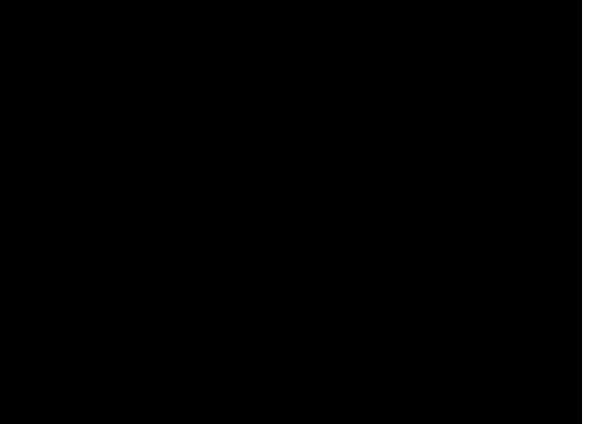




# **QUALITY ASSURANCE**



# **Use the Wayback QA tool**



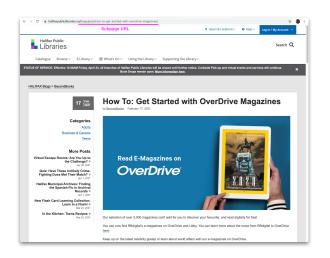
Detects
missing
documents
on the page
and allows
you to patch
crawl them



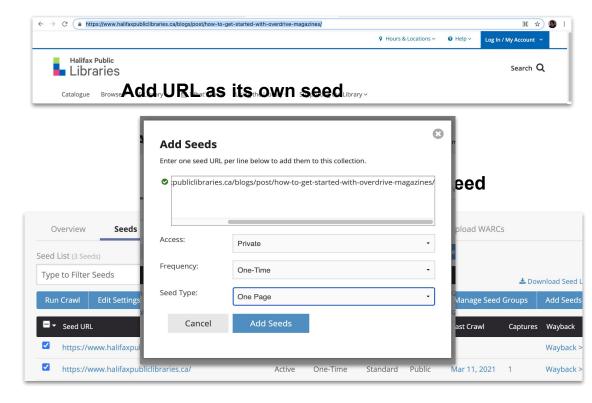
#### **HELPER SEEDS**



https://www.halifaxpubliclibraries.ca/blogs/post/how-to-get-started-with-overdrive-magazines/



#### Copy subpage URL





#### **Open Wayback pages in NEW TABS**

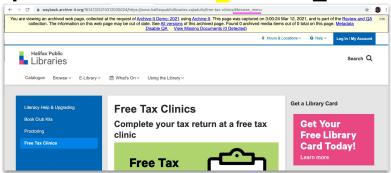




#### Useful for opening

- Video Watchpages from a YouTube Channel
- Links built with Javascript
- ☐ Subpage URLs with a #:

https://www.halifaxpubliclibraries.ca/#browse\_menu





# **Quality Assurance demo**



#### I will show you how to:

- Load and look over the Wayback page
- Use the Wayback QA Tool to patch crawl
- Patch Crawl via the Hosts Report



# **QUALITY ASSURANCE**Leverage the Help Center



#### Review the documentation in our Help Center anytime:

#### Scoping guidance for specific kinds of sites

- What is the usual scoping?
- What is the expected replay?

#### System Status/Social media and other platforms status

How are systems and platforms currently performing?

#### Known Web Archiving Challenges

Is this content archivable?

#### **Troubleshooting Browser Issues**

• Is my browser interfering with replay?

#### What to do when you see a blank page in Wayback

- Have I tried Brozzler?
- Is JavaScript interfering?



# **QA CHECKLIST**



- ☐ Prioritize: Audiovisual & dynamic content; significant properties
- Check crawl and seed status, data, and docs.
- Replay and browse with Wayback.
- Find missing documents: blocked, queued, and "out of scope."
- Patch crawl missing documents for prioritized pages.
- Leverage the Help Center, particularly System Status page.
- 🖵 🏻 When in need, ask for help 💁



#### **LEARN MORE**





Photo courtesy of Towfiqu Barbhuiya on Unsplash

Help Center: <a href="https://support.archive-it.org/hc/en-us">https://support.archive-it.org/hc/en-us</a>

Check out our blog: www.archive-it.org/blog

Thank you! Any questions?









Watch pages / embedded videos V



Channels / users/ playlists 1



- Videos may need to be opened in new browser tabs in order to replay
- Videos from playlists may not replay in Wayback

#### **Expectations**

- Replays most reliably in Chrome
- Videos will replay in-page and via "Videos" link in the Wayback banner

#### **Troubleshooting**

- Did I use Brozzler?
- <u>vt-dlp</u>: did it run? (look for host "youtube-dl" in Hosts Report)
- File Types Report: were video files collected?



# youtube-dl / yt-dlp





- open-source command-line utility for retrieving media which enables the preservation of full, discrete files (ie. MP4, MP3, MKV, etc.) for access
- Runs on web pages during the crawling process and deposits media items it finds into WARC files with corresponding JSON metadata
- When it runs as expected:
  - Wayback can load information from its corresponding JSON metadata files into the banner message
  - specify how many media items were archived
  - provide direct access to media via a media player



#### youtube-dl



You are viewing an archived web page, collected at the request of <u>Karl-Rainer Blumenthal</u> using <u>Archive-It</u>. This page was captured on 16:46:34 Feb 04, 2020, and is part of the <u>Demo collection</u>. The information on this web page may be out of date. See <u>All versions</u> of this archived page.

Found 2 archived media items out of 2 total on this page. Altabeta

Ellable QA

Host	Docs -	New Docs	Data	New Data
support.google.com	0	0	0 bytes	0 bytes
rr3sn-o097znss.googlevideo.com	1	1	1.2 KB	1.2 KB
r1sn-h5qzen7y.googlevideo.com	1	1	5.5 KB	5.5 KB
rr3sn-o097znze.googlevideo.com	1	1	193 MB	193 MB
i1.ytimg.com	2	2	85.5 KB	85.5 KB
r1sn-o097znze.googlevideo.com	2	2	646 bytes	646 bytes
youtube-dl:	3	3	1.1 MB	1.1 MB
accounts.google.com	3	3	1.5 MB	1.5 MB
static.doubleclick.net	3	3	2.5 KB	2.5 KB
youtube.com	3	3	3.8 KB	3.8 KB
play.google.com	3	3	2.6 KB	2.6 KB



#### **Additional Resource Roundup**



- Archive-It System and Platform Status page
- Help Center articles for specific platforms
- What to do when you see a blank page
- Guide to A/V web archiving with youtube-dl
- How to use the Wayback QA tool
- How to clear your cache, cookies, and history
- Upload WARCs
- The Wayback Machine